

# INTERNATIONAL SEARCH REPORT

PCT/EP2004/052572

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A61K38/19 A61P29/00 A61P31/00 A61P37/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | <p>PPAAVOLA CHAD D ET AL: "Monomeric monocyte chemoattractant protein-1 (MCP-1) binds and activates the MCP-1 receptor CCR2B" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 273, no. 50, 11 December 1998 (1998-12-11), pages 33157-33165, XP002283331 ISSN: 0021-9258 cited in the application the whole document</p> | 2,3, 19-22            |
| Y          | <p>-----<br/>           -/--</p>   | 4,5, 15-17            |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

25 February 2005

Date of mailing of the international search report

10/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax (+31-70) 340-3016

Authorized officer

Bayrak, S

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT |   |                       |
|--|---|-----------------------|
| Category *   | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
| X  | HEMMERICH S ET AL: "Identification of residues in the monocyte chemotactic protein-1 that contact the MCP-1 receptor, CCR2."<br>BIOCHEMISTRY. 5 OCT 1999, vol. 38, no. 40, 5 October 1999 (1999-10-05), pages 13013-13025, XP002319264<br>ISSN: 0006-2960 | 1,3,<br>19-22         |
| Y  |   | 4,5,<br>15-17         |
| X  | US 5 739 103 A (ZHANG YUJUN ET AL)<br>14 April 1998 (1998-04-14)<br>column 4, line 43 - line 50<br>column 6, line 55 - line 59<br>column 10, line 46 - line 50  | 19-22                 |
| X  | WO 03/083059 A (CENTOCOR, INC)<br>9 October 2003 (2003-10-09)<br>the whole document   | 19-22                 |
| P,X  | WO 03/084993 A (KOSCO-VILBOIS MARIE ; PROUDFOOT AMANDA (FR); APPLIED RESEARCH SYSTEMS) 16 October 2003 (2003-10-16)<br>page 5<br>page 8; examples   | 19-22                 |
| A  | KIM KEY-SUN ET AL: "Structural characterization of a monomeric chemokine: Monocyte chemoattractant protein-3"<br>FEBS LETTERS, vol. 395, no. 2-3, 1996, pages 277-282, XP002283332<br>ISSN: 0014-5793<br>page 281, column 2, line 9 - line 11             | 1-23                  |

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 22,23 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
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